

AMENDMENTS TO THE SPECIFICATION

Please replace the sequence listing from the published international application with the sequence listing submitted on compact disc enclosed herewith.

In the specification at page 1, after the title and before line 4, please insert the following new paragraphs:

RELATED APPLICATIONS

This application is a national stage application (under 35 U.S.C. 371) of PCT/EP2004/008623 filed July 31, 2004 which claims benefit to International Application PCT/EP2003/09102 filed August 18, 2003, International Application PCT/EP2003/09107 filed August 18, 2003, International Application PCT/EP2003/09105 filed August 18, 2003, International Application PCT/EP2003/09106 filed August 18, 2003, International Application PCT/EP2003/09109 filed August 18, 2003, International Application PCT/EP2003/09101 filed August 18, 2003, and German Application 10 2004 007 622.7 filed February 17, 2004.

SUBMISSION ON COMPACT DISC

The contents of the following submission on compact discs are incorporated herein by reference in its entirety: two copies of the Sequence Listing (COPY 1 and COPY 2) and a computer readable form copy of the Sequence Listing (CRF COPY), all on compact disc, each containing: file name: Final Sequence list-13173-00025-US, date recorded: February 17, 2006, size: 387 KB.

In the specification at page 76 line 34, please replace the line starting with "pTP09" with the following amended paragraph:

pTP09 (SEQ ID NO: 132)

In the specification at page 77 line 3, please replace the line starting with “pTP10” with the following amended paragraph:

pTP10 (SEQ ID NO: 133)

In the specification at page 77 line 11, please replace the line starting with “pTP11” with the following amended paragraph:

pTP11 (SEQ ID NO: 134)

In the specification at page 97 line 23, please replace the paragraph starting with “For the cDNA” with the following amended paragraph:

For the cDNA synthesis, 2.5 ug of total RNA were denatured for 10 min at 60°C, cooled for 2 min on ice and transcribed in cDNA by means of a cDNA kit (Ready-to-go-you-prime-beads, Pharmacia Biotech) according to the manufacturer's instructions using an antisense-specific primer PR1 (gcaagctcga cagctacaaa cc (SEQ ID NO: 135)).

In the specification at page 97 line 28, please replace the paragraph starting with “The nucleic acid” with the following amended paragraph:

The nucleic acid encoding a ketolase from Haematococcus pluvialis (strain 192.80) was amplified by means of polymerase chain reaction (PCR) of Haematococcus pluvialis using a sense-specific primer PR2 (gaagcatgca gctagcagcgacag (SEQ ID NO: 136)) and an antisense-specific primer PR1.

In the specification at page 98 line 15, please replace the paragraph starting with “The PCR” with the following amended paragraph:

The PCR amplification with PR1 and PR2 resulted in a 1155 bp fragment (SEQ ID NO: 137) which codes for a protein consisting of the entire primary sequence: